

# 2014 LG WASHING MACHINE

Upgrade Your Smart Life





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INVERTER  
DirectDrive

DD MOTOR  
10  
YEAR  
WARRANTY

• • • " Upgrade Your Smart Life "



# FRONT LOADER WASHING MACHINE

"The Ultimate SmartWasher"

## FRONT LOADER WASHING MACHINE



### INVERTER DIRECT DRIVE MOTOR

By eliminating the gear and pulley found in most conventional washers, LG's Direct Drive System is made of the motor's stator and inner drum. This gives LG's Direct Drive exceptional durability with no wear and tear. Furthermore, since the motor is energy efficient, LG's Inverter Direct Drive Motor is energy efficient.



INVERTER  
Direct Drive

### Comparison between LG Inverter Direct Drive Motor and Conventional Motor



• High-speed motor and belt drive  
• Motor out of balance and belt noise concern



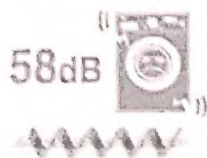
• Motor directly attached to the center of drum  
• Enhanced stability, superior efficiency  
• Low noise - up to 10% less  
• Increased energy efficiency - direct power with  
drum rotating in the line of energy



## Less Noise

Conventional universal motor creates unpleasant noise and vibration due to the belt and pulley. By eliminating the belt and pulley, LG Inverter Direct Drive Motor allows your washing machine to operate in low decibel, giving you and your family a peaceful time at home.

(Whisper Motor, similar level to factory)



Conventional Motor

LG Inverter Direct Drive Motor  
similar level to library



LG Inverter Direct Drive Motor

## Less Vibration

With 3 durable steel dampers, LG Inverter Direct Drive front loader washing machines will give you a peace of mind

2 weak & non stable plastic dampers



Conventional Motor

3 durable STEEL dampers



LG Inverter Direct Drive Motor

## Fabric Care

Optimized courses for every type of fabrics. Less wrinkle and less damage with 6 Motion

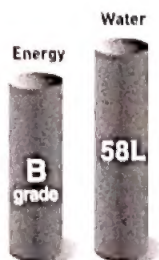
Less tangle



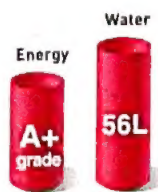
• Conventional 41%  
• Inverter Direct Drive 19%  
[Tested by LG internal Lab]

## Energy Saving

Sensor detects the loading capacity and calculates the exact RPM and braking time for each operation. The accuracy can ensure optimum washing performance. This saves water and energy as well as time.



Conventional Motor



LG Inverter Direct Drive Motor

can save 104kwh a year (104kwh = Electric Lamp 346.7hr)  
can save 3120-4160L of water a year  
can save 2600-5720 min of time a year

Save your environment & money with energy savings.



Energy Saving



Water Saving

• Conventional 0.25 (kwh/kg)  
• Inverter Direct Drive 0.19 (kwh/kg)

[Tested by LG internal Lab]

• Conventional 30 (l/kg)  
• Inverter Direct Drive 16 (l/kg)

## Enhanced Performance

Improve washing performance



Washing Performance

• Conventional 65%  
• Inverter Direct Drive 20%



[Tested by LG internal Lab]



# FRONT LOADER WASHING MACHINE



**Optimal Washing Performance with 5 Different Motions**

## MORE MOTION, BETTER CARE



**Stepping**

Releasing clothes at the peak of the rotation cycle, this motion loosens laundry and helps reduce tangle.



**Tumbling**

Regular tumbling for your everyday washing needs.



**Scrubbing**

The drum quickly alternates to create a scrubbing motion. This helps to dissolve detergents and removes stubborn stains.



**Filtration**

Force from the fast rotation distributes the water evenly onto laundry for a full and even saturation.



**Rolling**

Clothes are rolled gently under water for a delicate wash.



**Swing**

The drum gently swings clothes from one direction to the other. Ideal for those delicate items.



## 6 MOTION



### Direct Wash

Optimising machine control to personalise the wash programme with movement motion through the fabric type is different. That's why the first thing you should know is that different movement for different fabric types instead of one single machine motion for different fabric types. 6 Motion has designed a new way for clothes, similar to hand wash. The Direct Wash motion precisely controls the motion of the drum allowing for up to 6 motions in which the machine combines different combinations of wash motions to create a cycle to produce perfect clean. It's suitable for all fabric types and cares for your delicate clothes.

### 6 Motion suits on any fabric type

#### Baby Care

Removes solid and protein stains and provides better drum performance



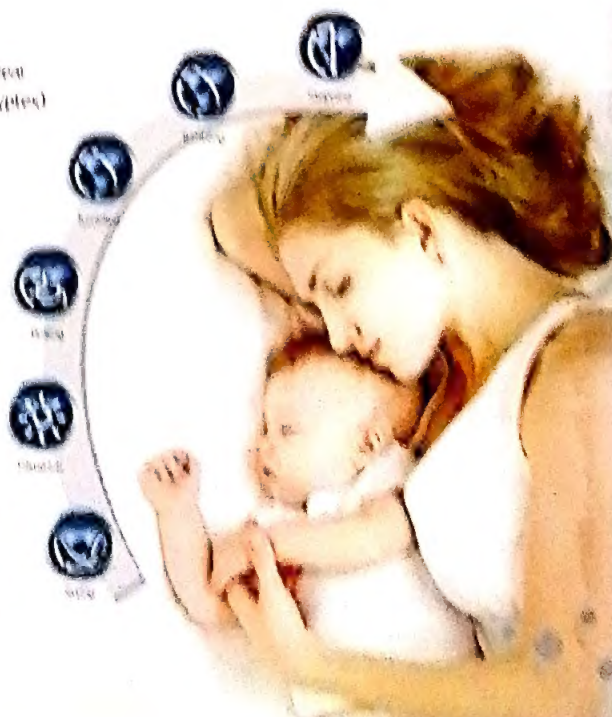
#### Sports Wear

Suitable for sports wear such as jogging clothes and running wear (t-shirts, joggers, leggings and socks)



#### Cotton

Removes stains with effective detergent dissolving (t-shirts, baby clothes, t-shirts)



# FRONT LOADER WASHING MACHINE



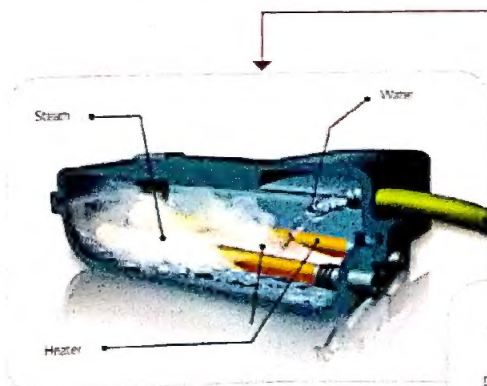
Help to Reduce Wrinkles Making Ironing Easier

## BETTER WASHING PERFORMANCE WITH POWERFUL STEAM

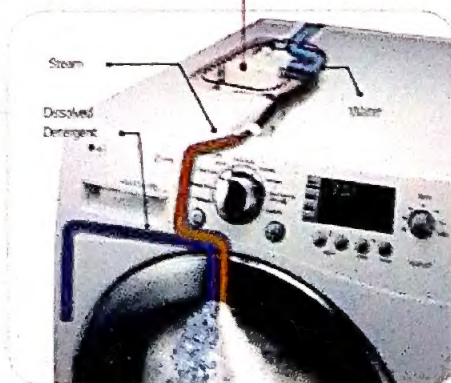


### • STEAM GENERATOR

LG Steam Generator, which converts normal water to steam, takes washing technology one step forward. You can now enjoy your time with the Steam Direct Drive without being concerned about the high-energy cost. The water is heated directly within the heater, which generates the steam. It uses less water and energy to create steam than it does to boil the whole water at the bottom of the drum.



Energy Saving as you don't boil the whole amount of water





## TRUE STEAM™



True Steam™ is the most special technology which makes your life easier. Clothes can be refreshed in 20 minutes, wrinkles reduced without ironing, and odors reduced without chemical materials. You can spend more time with your family and less time with your laundry. Also, you get to save money while reducing your carbon footprint. Welcome to the new world of steam.

### • STEAM REFRESH

No time to wash your shirt, but you have an important meeting? Simply pop it into the washing machine and activate the Steam Refresh Course, which reduce wrinkles and odours and makes your shirt fresh no fuss.

Evaluation by AAICC Standard

- Clothes : Dress shirts 3-5ea

- Fabric : Cotton 75% + Polyester 25%



### Sterilization

The steam removes bacteria such as Staphylococcus and Coil Form, which can cause diarrhea or food poisoning.

### AAICC Evaluation Table

Evaluation	
1. All the wrinkles remain	0.0
2. Most wrinkles remain	0.5
3. Small wrinkles remain	1.0
4. Few wrinkles remain	1.5
5. Only a few fine wrinkles remain	2.0
6. No wrinkles remain	2.5

Steam Sterilization %	
Staphylococcus	99.99%
Coil Form	99.99%
Bacteria	99.99%
Allergy	99.99%

### • ALLERGY CARE

With its unique optimum steam temperature and rinsing functions, the Steam Washer effectively removes allergens in clothes and beddings, such as house dust mites, animal hair, dandruffs, and pollens.



### Certificate for Allergy Care

The Allergy Care series are approved by the British Allergy Foundation (BAF). This means that the LG Steam Washer has been tested with BAF standards and has been proven to effectively remove high levels of allergens.





# FRONT LOADER WASHING MACHINE

Have more free time with advanced technologies

## MORE CONVENIENCE TO YOUR LIFE



### BIO CARE



Bio Care

Is special program with water at 60°C. It allows to clean stains as milk, wine, etc.



### WATER CIRCULATION SYSTEM

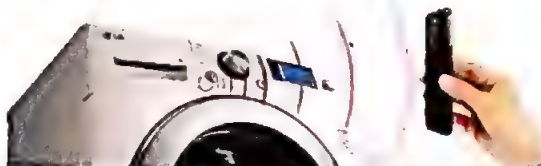
A pump under the drum pulls up the filtered water at the bottom of the drum. This water is repeatedly circulated and sprayed from the top of the drum during the washing and rinsing process. The Shower Spray improves washing performance by dissolving detergent evenly.

It reduces water and energy consumption to heat up the water, hence lowering water and electricity bills.



## SMART DIAGNOSIS™

Smart Diagnosis™ helps to find exact problems, minimizing SVC costs and inconvenient SVC calls.



1 Download the LG App "LG Smart Diagnosis" from Android Play Store onto your smart phone



2 Turn on the washing machine and press 'Temp' button for 3 seconds.



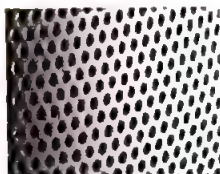
3 Put the phone (microphone) close to the Smart Diagnosis icon and await instructions.

## TUB CLEAN

Tub Clean function can be used to remove fungus and other toxic substances that may grow inside the tub. It uses hot steam with high spin speed to clean every corner of the tub and provides perfect sterilization.

## IMPROVED DRUM SURFACE

All the drum surface of our washing machine contains little dents. It adds contact surface to the drum, improving the washing performance.



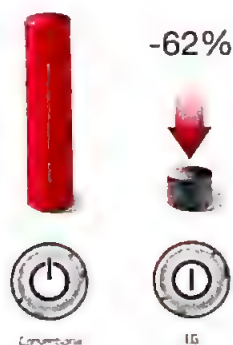
Conventional



LG

## STANDBY POWER ZERO

In off mode, the washing machine is completely disconnected from electricity and you can save energy.



Conventional

LG





### WD-175SRDS



#### FEATURE

- Inverter Direct Drive Motor
- 6Motion Technology
- 10 Years Warranty on Direct Drive Motor
- Triple Spin
- Embossing Drum
- Child Lock
- 6Motion Suspension System
- Standby Power Zero
- Smart Diagnosis™
- Delay Start (Reservation) \* 3-19 Hours



**DIMENSIONS (W x D x H)**  
565 x 757 x 952 mm

#### COLOR

Scarlet XCM



### WD-14080RDS



#### FEATURE

- Inverter Direct Drive Motor
- 6Motion Technology
- 10 Years Warranty on Direct Drive Motor
- Triple Spin
- Embossing Drum
- Child Lock
- 6Motion Suspension System
- Standby Power Zero
- Smart Diagnosis™
- Delay Start (Reservation) \* 3-19 Hours



**DIMENSIONS (W x D x H)**  
565 x 757 x 952 mm

#### COLOR

Blue White



### WD-1280QDP



#### FEATURE

- Inverter Direct Drive Motor
- 6Motion Technology
- 10 Years Warranty on Direct Drive Motor
- Embossing Drum
- Child Lock
- Standby Power Zero
- Smart Diagnosis™
- Delay Start (Reservation) \* 3-19 Hours



**DIMENSIONS (W x D x H)**  
600 x 550 x 850 mm

#### COLOR

Blue White



### WD-1270QDP



#### FEATURE

- Inverter Direct Drive Motor
- 6Motion Technology
- 10 Years Warranty on Direct Drive Motor
- Embossing Drum
- Child Lock
- Standby Power Zero
- Smart Diagnosis™
- Delay Start (Reservation) \* 3-19 Hours



**DIMENSIONS (W x D x H)**  
600 x 550 x 850 mm

#### COLOR

Blue White



### F10B5NDL2



#### FEATURE

- Inverter Direct Drive Motor
- 6Motion Technology
- 10 Years Warranty on Direct Drive Motor
- Embossing Drum
- Child Lock
- Standby Power Zero
- Smart Diagnosis™
- Delay Start (Reservation) \* 3-19 Hours
- 12 Washing Programs



**DIMENSIONS (W x D x H)**  
600 x 440 x 850 mm

#### COLOR

Blue White



# WASHING COURSE GUIDE



## Refresh \*TrueSteam™ Only

Cotton mixed, Polyester mixed Dress shirts, blouses



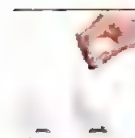
## Allergy Care \*TrueSteam™ Only

Cotton, underwear, pillow covers, bed sheets, baby wear



## Cotton

Color fast garments (shirts, nightdresses, pajamas...) and lightly soiled white cotton (underwear)



## Cotton Eco

This course was designed to minimize the energy use while using course applying 60 °C water temperature



## Max

Various drum motions are used to maximize the washing performance even when different fabrics are mixed together while minimizing any damage to the clothes



## Easy Care

Laundry is washed below the water level preventing clothes damage and wrinkles. In addition, after spinning laundry is separated from the inner drum preventing wrinkles after spin drying



## Duvet (Bulky)

For big size sandies that are hard to wash with small load washers. Such as blankets and bed cover.



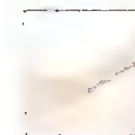
## Sports Wear

The delicate Swing motion with low temperature water provides a better solution for sportswear with Gore-Tex or Coolmax



## Dark Wash

The course is designed to minimize de-colorization by combining the delicate swing motion with low temperature and short cycle time



## Delicate

For clothes that need extra care. This course is designed to minimize any damage that can happen to your laundry



## Hand Wash / Wool

Wooler clothes and those which are too delicate for machine wash



## Intensive 60

At full load this course will finish a full wash cycle within 60 minutes while achieving A class washing performance. This means that you don't have to sacrifice washing performance to save time



## Quick 30

For lightly soiled laundry under 2kg



## Silent Wash

Any uncomfortable noise is reduced while maintaining the washing performance through the rubbing effect under the water



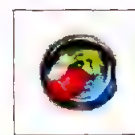
## Baby Care

Water temperature is kept at 40 °C for 15 minutes and then increased to 60 °C for washing. And the medic rinse function is added to the default rinse



## Skin Care

The course applies various washing motions to better dissolve detergent that can be left after washing



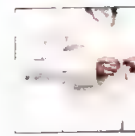
## Cotton Quick

Mainly by limiting the maximum temperature 20 minutes is reduced from the normal washing time. Total time will be about 100 minutes



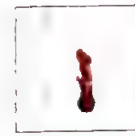
## Synthetic

Synthetic clothes do not wrinkle easily but once wrinkled it is difficult to smooth out. And they are weak to heat. Considering such traits maximum temperature and RPM is limited



## Boiling Care

A bleach or boiling course. Wash temperature is fixed to 95°C by default



## Bio Care

Bio care is to eliminate protein stains (milk, blood, chocolates and etc.)



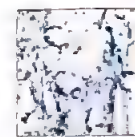
## Spin

Right after turning on the washer choose the desired RPM and push the Start/Pause button. Only spinning the laundry.



## Bed Cover (Blanket)

Heavy fabrics like bed covers and curtains



## Rinse+Spin

Clothes that are washed outside which need only rinsing and spin

# AWARDS

LG washing machines are widely acclaimed for its cutting edge technology & smart design, gaining world wide recognition in performance ratings among front loading category specially in Germany, P.A, Italy & France. LG front loading washing machines have been rated as No.1 in USA for 5 consecutive years, which speaks highly of LG's commitment for creating world class consumer appliances.



 **LG**  
Life's Good



## World's best "Eco friendly machines"



**VDE**  
VDE Verification - Excellency of Inverter  
DD motor reliability (German)



**BAF**  
Allergen foundation -Steam power  
(UK)



**CES Innovation**  
Innovation award  
(USA)



**Technical innovative  
business award**  
Most innovative product (Korea)



**IF Design**  
Global best design award  
(German)



**Reddot Design**  
Global best design award  
(German)



**Good Design**  
Best design award  
(Korea)

## World's best "Eco friendly machines"



**Water wise**  
Award for winning water saver  
(UK)



**Energy Star**  
Low energy consumption certification  
(USA)



**Energy Saving Recommended**  
Low energy consumption certification  
(UK)



**Green technology certification**  
Eco friend technology certification for 6  
Motion (Korea)



**Low carbon print**  
Low carbon emission certification  
(Korea)



# TOP LOADER WASHING MACHINE

"The Ultimate SmartWasher"

## TOP LOADER WASHING MACHINE



### INVERTER DIRECT DRIVE MOTOR

LG's Inverter Direct Drive Motor is a revolutionary new motor that eliminates the need for a belt drive system. It features a built-in motor control system that adjusts the motor's speed and torque to match the load, providing superior performance and energy efficiency. The Inverter Direct Drive Motor is also designed to last longer, with a built-in self-diagnostic system that monitors the motor's performance and alerts you if there is a problem.



INVERTER  
DIRECT DRIVE

#### • Durability

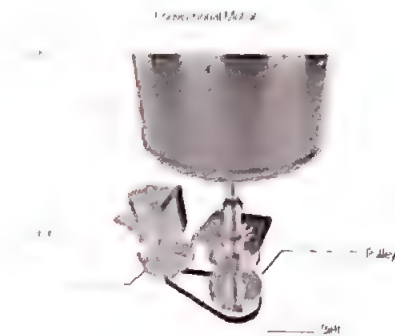
LG's Inverter Direct Drive Motor is built to last, with a built-in self-diagnostic system that monitors the motor's performance and alerts you if there is a problem.

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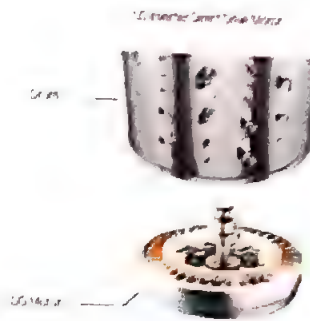




### ● Comparison between LG Inverter Direct Drive Motor with Conventional Motor



- Complex belt system
- Consistent low power, low spin speed
- Low durability with belt



- Direct Drive system without belt
- Variable high power, high spin speed
- High durability without belt

### ● Energy Saving

You can save water equivalent to 9 bottles of 1.5l each/cycle. (13.5l)



**Water Saving 4.5%**

Tested by LG internal lab

You can save 540W electricity per a cycle. It's the amount you can watch TV for 5 hours.



**Electricity Saving 25%**

Tested by LG internal lab

### ● Optimal Washing

LG Inverter Direct Drive can realize 6 different types of motion named 6 Motion DD.

In conventional single-motion washing machine, it only tumbles whatever the fabric is. But in 6 Motion DD, you can make your own washing according to the type of fabric.





# TOP LOADER WASHING MACHINE



Powerful Washing Performance with Gentle Fabric Care

## MORE MOTION, BETTER CARE



### Waveforce™

Gently removes dirt and stains from clothes using strong water currents



### Compressing

Dissolve detergent with high-speed spinning & squeezing



### Swing

Smooth wash for your delicate fabrics.



### Rotating

The pulsator rotates in alternate directions to help untangle clothes



### Rubbing

Rubbing motion efficiently scrubs off stains



### Agitating

Powerful current created by the agitating motion removes stubborn stains



What are some ways?

How can we use all the right things?

There are many ways to use all the right things. The first way is to use them in the right way. The second way is to use them in the right place. The third way is to use them in the right time. The fourth way is to use them in the right way, place, and time.



# TOP LOADER WASHING MACHINE

## WASH MORE POWERFULLY EVEN HYGIENICALLY

### MORE HYGINENIC TUB

Full Stainless Steel Tub + Auto Lint Cleaner

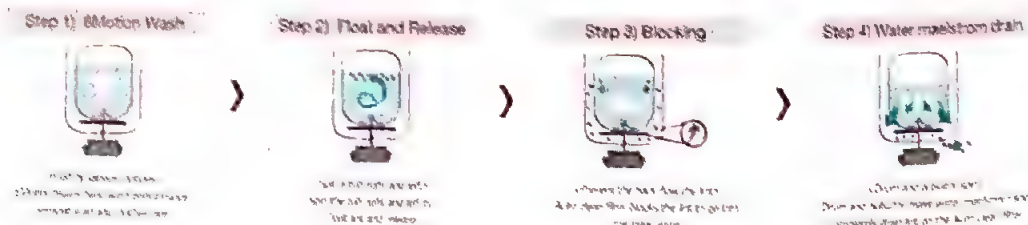
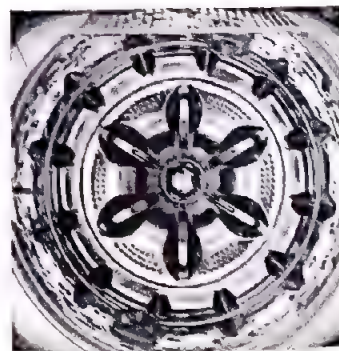
To remove the lint automatically without filter in the drum

- **Full Stainless Steel Tub**

To remove the lint without inner filter it is consist of Full STS & 1000 magic hole

- **Auto Lint Clean Filter**

To prevent the reflux of lint between inner tub and out tub



### HEALTH + FILTER

LG's Lint filter is coated with anti-bacterial material for a more hygienic wash. Simple to clear and durable, it also has a better filtration rate than other brands.

### JET SPRAY

A nozzle located above the inner tub sprays water evenly onto the laundry during the rinse cycle. By supplying water evenly this helps to get optimal rinsing results.





Let Washing Machine Show Up in your Smart Life

## AUTO RESTART

A postponed washing stage in case of sudden stop such as supply problem of electricity. So, it can re-start washing stage at moment of stop.



## DIAMOND GLASS

Static Strength



Withstanding 300kg load

+

Dynamic Strength



Withstanding 3kg of load from 1m high

+

Hardness



Moisture-tolerant 5.5 to 5.8 with standing across steel (grade 5.5 to 5.8 steel 5.5)

## SENSOR

1. Sensor works to remove any detergent residue.  
2. It automatically detect any detergent residue and adjusts the washing program to ensure the clothes are detergent free.



## TURBO DRUM

Unlike other brands, where only the pulsator rotates, Turbo Drum features a rotating pulsator and a spinning drum, which offers superior cleaning performance.



COMMON DRUM

Only pulsator is spinning.  
Less powerful and only clothes in the bottom will be cleaned.



TURBO DRUM

Both pulsator & drum are spinning.  
More powerful washing with squeezing effect.

## PUNCH+3

Three punches creates strong water stream which will help cleaning. And also it will prevent from clothes tangling.



Strong water stream creates strong water stream which will help cleaning.



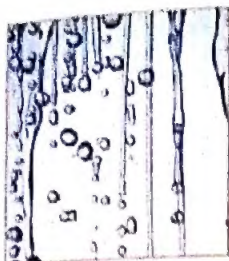
The 3 punches create a strong stream which will help cleaning.



The water flow spreads out the clothes for better cleaning.







### Fuzzy

The course automatically selects the most appropriate condition by detecting wash load.



### Quick wash

For lightly soiled clothes under 2kg.



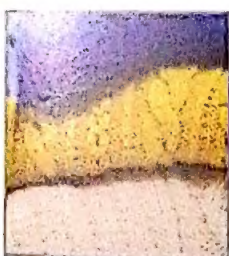
### Tub Clean

To sterilize the inner and outer tub for preventing unpleasant smell of tub.



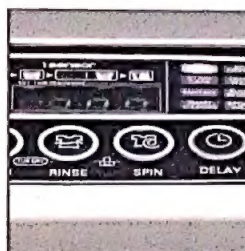
### Jeans

Use when washing jeans of different sizes.



### Wool

For washing delicate fabrics such as lingerie and woolens.



### Favorite

Set your own program with additional options and save to favorites for use at a later time.



### Silent

To wash quietly especially during night and dawn by reducing noise while maintaining washing performance.



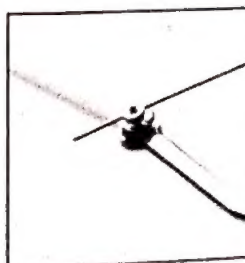
### Air Dry

To keep inner tub from getting moldy and to reduce drying time by minimizing moisture of laundry.



### Smart Cleaning™

If you want 99.9% detergent free washing even when you put more detergent.



### Delay

**DELAY START (RESERVATION)**  
Wash is used to delay the finishing time of the operation. The hours to be delayed can be set by the user accordingly.  
The time on the display is the finishing time, not the start time.



### Child lock

If you want to lock all the keys to prevent settings from being changed by a child, you can use the child lock option.

